

Appendix I - Core Descriptions

Core # HC9-25-85-1

<u>Depth (cm)</u>	<u>Description</u>
0-30	sandy silt, rare quartz pebbles (2 cm diameter), slightly mottled (very small orange mottles), some mica flakes, small black minerals, sand-sized quartz grains, 10% clay; moderate yellowish brown (10 YR 5/4)
30-60	sandy pebbly silt with large (several cm) bright orange mottles (15% clay); dark yellowish orange (10 YR 6/6)
60-90	sandy pebbly silt (10% clay) with abundant bright orange mottles; light brown (5 YR 5/6)

Core # HC9-25-85-2

<u>Depth (cm)</u>	<u>Description</u>
0-30	clayey silt with 15% clay and rare granules, light orange mottles (1 cm or smaller in diameter); greyish orange (10 YR 7/4)
30-60	clayey silt with 20% clay, rare granules and iron concretions, large abundant mottles; light brown (5 YR 5/6)
60-90	clayey pebbly silt with 20% clay, common iron concretions, quartz pebbles and granules of garnet; greyish orange (10 YR 7/4)

Core # HC9-25-85-3

<u>Depth (cm)</u>	<u>Description</u>
0-15	sandy silt with 2% clay, occasional granules and pebbles, no mottles; dark yellowish brown (10 YR 4/2)
15-30	clayey pebbly silt with 20% clay, frequent quartz pebbles and cobbles, many mica flakes, heavily mottled (mostly smaller than 1 cm)
30-60	clayey gravelly silt with 25% clay, frequent gold mica flakes, very heavily mottled, frequent granules, rare pebbles and cobbles; moderate yellowish brown (10 YR 5/4)
60-80	clayey sandy silt with 15% clay, frequent granular mica, occasional mottling, a few schist pebbles; moderate brown (10 YR 4/4)

Core # HC9-25-85-4

<u>Depth (cm)</u>	<u>Description</u>
0-15	sandy silt with 2% clay; dark yellowish brown (10 YR 4/2)
15-30	sandy silt with occasional granules, rare mica; dark yellowish brown (10 YR 4/2)
30-60	clayey sandy silt, intensely mottled, frequent coarse sand, schist pebbles, obvious structure of weathered bedrock

Core # HC10-4-85-1

<u>Depth (cm)</u>	<u>Description</u>
0-25	clayey silt, no mottles, 20% clay, rare granules; dark yellowish brown (10 YR 4/2)
>25	clayey sandy silt, some orange mottles and concretions; greyish orange (10 YR 7/4)

Core # HC10-4-85-2

<u>Depth (cm)</u>	<u>Description</u>
0-36	sandy clayey silt with 15% clay, rare granules; dark yellowish brown (10 YR 4/2)
37-73	clayey silt, 20% clay with some sand, occasional dark orange mottles and granules; moderate brown (10 YR 4/4)
73+	clayey silt with 25% clay, intense very small root mottles, abundant mica; dark yellowish brown (10 YR 4/2)

Core # HC10-4-85-3

<u>Depth (cm)</u>	<u>Description</u>
0-7	clayey silt with 20% clay, rare mica; dark yellowish brown (10 YR 4/2)
7-74	sandy silt with 10% clay, occasional granular mica, charcoal (2 mm in diameter) at 65 cm; moderate yellowish brown (10 YR 5/4)
74-100	clayey sandy silt with occasional granules, small orange mottles; grayish orange (10 YR 5/4) - moderate yellowish brown (10 YR 7/4)

Core # HC10-4-85-4

<u>Depth (cm)</u>	<u>Description</u>
0-20	sandy clayey silt with 15% clay; dark yellowish brown (10 YR 4/2)
20-60	sandy clayey silt with 10% clay, rare granules (quartz), dark orange mottles; dark yellowish orange (10 YR 6/6)

Core # HC10-4-85-5

<u>Depth (cm)</u>	<u>Description</u>
0-8	clayey silt with 10% clay; dark yellowish brown (10 YR 4/2)
8-40	sandy clayey silt with 10% clay; dark yellowish brown (10 YR 4/2) - moderate brown (5 YR 3/4)
40-81	sandy clayey silt with 20% clay, orange mottles, occasional granules; moderate yellowish brown (10 YR 5/4)

Core # HC10-4-85-6

<u>Depth (cm)</u>	<u>Description</u>
0-10	clayey silt with 20% clay; yellowish brown (10 YR 4/2)
10-31	sandy clayey silt with 10% clay, some coarse sand; moderate brown (5 YR 3/4)
31-62	clayey sandy silt with granules, small dark orange mottles; moderate yellowish brown (10 YR 5/4)

Core # HC10-4-85-7

<u>Depth (cm)</u>	<u>Description</u>
0-33	sandy clayey silt with 25% clay, rare granules, some mica and coarse sand; moderate brown (5 YR 4/4)
33-100	clayey silty sand (very fine-grained), very high amount of mica (20%?), some weak horizontal laminae
100-146	saprolite

Core # HC10-9-85-1

<u>Depth (cm)</u>	<u>Description</u>
0-8	clayey silt with 15% clay, mica flakes; moderate brown (5 YR 4/4)
8-29	sandy clayey silt with 15% clay, weakly mottled, abundant black mica, very rare granules; moderate brown (4 YR 4/4)
29-64	silty fine and medium grained sand, abundant black mica, rare pods of clayey sandy silt, some coarse sand; moderate yellowish brown (10 YR 5/4)
64-67	finely laminated brown clayey silt and orange micaceous sand

Core # HC10-9-85-2

<u>Depth (cm)</u>	<u>Description</u>
0-24	clayey silt with 10% clay, slightly mottled, some black mica; moderate yellowish brown (10 YR 5/4)
24-52	silty clay, 40% clay, rare coarse sand, mottled; dark yellowish orange (10 YR 6/6) - moderate yellowish brown (10 YR 5/4)

Core # HC10-9-85-3

<u>Depth (cm)</u>	<u>Description</u>
0-25	clayey silt with 15% clay, abundant mica; moderate yellowish brown (10 YR 5/4) - dark yellowish brown (10 YR 4/2)
25-52	clayey silt and silty clay, some lenses of sandy silt, mottles, rare iron concretions; moderate yellowish brown (10 YR 5/4)

Core # HC10-9-85-4

<u>Depth (cm)</u>	<u>Description</u>
0-20	clayey sandy silt with 10% clay; dark yellowish brown (10 YR 4/2)
20-43	clayey sand silt with 15% clay; moderate yellowish brown (10 YR 5/4) - dark yellowish brown (10 YR 4/2)
43-79	clayey sandy silt with 15% clay, occasional granules and coarse sand, mottled, abundant mica, rare iron concretions; moderate yellowish brown (10 YR 5/4)

Core # HC10-9-85-5

<u>Depth (cm)</u>	<u>Description</u>
0-8	clayey silt with 10% clay; dark yellowish brown (10 YR 4/2)
8-43	clayey silt with 15% clay, occasional localized very fine mottles, large biotite flakes; moderate yellowish brown (10 YR 5/4) - dark yellowish brown (10 YR 4/2)
43-55	silty fine sand, abundant biotite, rare granules, local "pods" of sandy silt; moderate brown (5 YR 3/4)

Core # HC10-9-85-6

<u>Depth (cm)</u>	<u>Description</u>
0-8	clayey silt with 10% clay; dark yellowish brown (10 YR 4/2)
8-43	sandy clayey silt with 15% clay; dark yellowish brown (10 YR 4/2)
43-49	silty fine sand, weakly laminated; moderate brown (5 YR 4/4)

Core # HC10-9-85-7

<u>Depth (cm)</u>	<u>Description</u>
0-55	sandy clayey silt
55-115	silty sand, lenses of clayey silt coarsening towards bases, at base unit is very coarse sand and granular; weathered orange color
115-125	silty clay with abundant leaf and root fragment; olive black (5 YR 2/1)
125-155	coarsens downward into sand, bottoms on coarse sand and gravel

Core # HC10-9-85-8

<u>Depth (cm)</u>	<u>Description</u>
0-17	clayey silt with 10% clay, weakly mottled; dark yellowish brown (10 YR 4/2)
17-87	clayey silt with 20% clay, weakly mottled; dark yellowish brown (10 YR 4/2)
87-92	medium - coarse grained oxidized sand

Core # HC10-9-85-9

<u>Depth (cm)</u>	<u>Description</u>
0-8	clayey silt with 10% clay; dark yellowish brown (10 YR 4/2)
8-34	clayey silt with 15% clay; moderate yellowish brown (10 YR 5/4)
34-82	sandy clayey silt with rare granules, weakly mottled; moderate yellowish brown (10 YR 5/4)

Core # HC10-21-85-1

<u>Depth (cm)</u>	<u>Description</u>
0-60	yellowish brown silt
60-140	oxidized fine-grained micaceous sand
140-190	dark grey gravelly sandy mud with twigs, leaves
>190	gravel

Core # HC10-21-85-2

<u>Depth (cm)</u>	<u>Description</u>
0-70	yellowish silt
70-100	oxidized fine sand, micaceous
100-170	orange brown mottled gravelly mud, mostly cobbles

Core # HC10-21-85-3

<u>Depth (cm)</u>	<u>Description</u>
0-30	moderate brown clayey silt
30-120	clayey sandy silt, mottled, gravel at bottom

Core # HC10-21-85-4

<u>Depth (cm)</u>	<u>Description</u>
0-90	clayey sandy silt, moderate brown (10 YR 4/4)
90-120	sandy silt with gravel (boulders) at bottom, mottled; dark yellowish brown (10 YR 5/4)

Core # HC10-21-85-5

<u>Depth (cm)</u>	<u>Description</u>
0-70	moderate brown (10 YR 4/4)
70-150	sandy silt, highly mottled

Core # HC10-21-85-6

<u>Depth (cm)</u>	<u>Description</u>
0-30	sandy clayey silt; moderate yellowish brown (10 YR 5/4) - dark yellowish brown (10 YR 4/2)
30-61	sandy clayey silt, a few small mottles; moderate yellowish brown (10 YR 5/4) - dark yellowish brown (10 YR 4/2)
61-91	sandy clayey silt, mottled, small pieces of charcoal; dark yellowish brown (10 YR 4/2)
91-122	sandy silt - silty sand, rootlets; dusky brown (5 YR 2/2)
122-152	sandy silt, grading down to muddy gravel and coarse sand; dusky yellowish brown (10 YR 2/2)
>152	gravel

Core # HC10-21-85-7

<u>Depth (cm)</u>	<u>Description</u>
0-31	sandy silt, micaceous; moderate yellowish brown (10 YR 4/2) - dark yellowish brown (10 YR 5/4)
31-61	sandy silt, weakly mottled, one granule of charcoal
61-76	clayey sandy silt; dark yellowish brown (10 YR 4/2)
76-91	laminated, silty fine-grained sand and coarse grained sand
91-122	oxidized coarse-grained sand
122-152	intensely mottled sandy silt, some muddy gravel at bottom; moderate yellowish brown (10 YR 5/4), the gravel is olive gray (10 YR 6/1)